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177448

From: Mertz, Prema
Sent: Tuesday, January 24, 2006 1:29 PM
To: STIC-Biotech/ChemLib
Subject: 10/767521

Please search SEQ ID NO:1 with protein databases.

Thanks.

Prema Mertz, Ph.D., J.D.
Primary Examiner
Art Unit 1646
4D81 Remsen Bldg Mailbox 4C70
US Patent & Trademark Office
Tel # (571) 272-0876
FAX # (571) 273-0876

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Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: _____
Date completed: _____
Searcher Prep Time: _____
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Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

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119

175414

STIC-Biotech/ChemLib

From: Mertz, Prema
Sent: Sunday, January 01, 2006 12:49 PM
To: STIC-Biotech/ChemLib
Subject: 10,767,521

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JH/CHIEF, STIC
(STIC)

Please search SEQ ID NO:2, 3, 4, with DNA databases.

Please search US PG PUB databases with SEQ ID NO:2, 3, and 4.

Thanks.

Prema Mertz, Ph.D., J.D.
Primary Examiner
Art Unit 1646
4D81 Remsen Bldg Mailbox 4C70
US Patent & Trademark Office
Tel # (571) 272-0876
FAX # (571) 273-0876

Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: _____
Date completed: _____
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA# _____ AA#: _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

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OM protein - protein search, using sw model

Run on: January 25, 2006, 17:25:09 ; Search time 10 Seconds
(without alignments)
384.432 Million cell updates/sec

Title: US-10-767-521-1
Perfect score: 1854
Sequence: 1 MTTSLDTVETFGTTSYYDDV.....LERTSVSPSTAEPLSLIVF 355

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 75621 seqs, 10829074 residues

Total number of hits satisfying chosen parameters: 75621

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA New:*
1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
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4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
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6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1854	100.0	355	7	US-11-068-686-4
2	1854	100.0	355	7	US-11-127-877-64
3	1854	100.0	355	7	US-11-216-610-4
4	1846	99.6	355	7	US-11-216-610-2
5	1781	96.1	355	7	US-11-216-610-6
6	943.5	50.9	352	7	US-11-068-686-20
7	938.5	50.6	352	6	US-10-995-561-523
8	938.5	50.6	352	7	US-11-068-686-2
9	938.5	50.6	352	7	US-11-127-877-61
10	886.5	47.8	374	7	US-11-127-877-60
11	803.5	43.3	360	6	US-10-959-310-36
12	684	36.9	355	6	US-10-995-561-636
13	684	36.9	362	6	US-10-995-561-637
14	662.5	35.7	344	6	US-10-995-561-524
15	662.5	35.7	344	6	US-10-995-561-525
16	572	30.9	374	7	US-11-127-877-62
17	525.5	28.3	351	7	US-11-122-849-2
18	521	28.1	333	7	US-11-127-877-57
19	508	27.4	352	7	US-11-028-922A-1
20	506.5	27.3	216	6	US-10-995-561-522
21	503	27.1	353	7	US-11-017-058-9
22	492.5	26.6	415	7	US-11-017-058-2
23	480	25.9	349	7	US-11-028-922A-2
24	468.5	25.3	359	6	US-10-876-787-2
25	467	25.2	388	6	US-10-995-561-713

26	467	25.2	394	6	US-10-995-561-714	Sequence 714, App
27	467	25.2	394	6	US-10-995-561-715	Sequence 715, App
28	465.5	25.1	359	6	US-10-995-561-712	Sequence 712, App
29	465.5	25.1	359	6	US-10-995-561-716	Sequence 716, App
30	465.5	25.1	359	7	US-11-877-65	Sequence 65, Appl
31	462.5	24.9	254	6	US-10-055-877-248	Sequence 248, App
32	462.5	24.9	254	6	US-10-055-877-327	Sequence 327, App
33	462.5	24.9	254	6	US-10-055-877-340	Sequence 340, App
34	462.5	24.9	254	6	US-10-055-877-225	Sequence 225, App
35	445	24.0	259	6	US-10-055-877-237	Sequence 237, App
36	445	24.0	259	6	US-10-055-877-237	Sequence 237, App
37	417	22.5	391	7	US-11-127-877-52	Sequence 52, Appl
38	411.5	22.2	400	7	US-11-127-877-55	Sequence 55, Appl
39	382.5	20.6	388	6	US-10-995-561-838	Sequence 838, App
40	382.5	20.6	389	6	US-10-995-561-837	Sequence 837, App
41	382	20.6	269	7	US-11-151-482-5	Sequence 5, Appl
42	366.5	19.8	346	7	US-11-157-930-2	Sequence 2, Appl
43	362	19.5	339	7	US-11-157-930-4	Sequence 4, Appl
44	362	19.5	367	7	US-11-157-930-6	Sequence 6, Appl
45	354	19.1	350	6	US-10-502-145-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-11-068-686-4
; Sequence 4, Application US/11068686
; Publication No. US20050260565A1
; GENERAL INFORMATION:
; APPLICANT: Gray, Patrick W.
; ; Schweickart, Vicky L.
; ; Raport, Carol J.
; ; TITLE OF INVENTION: Chemokine Receptor Materials and Methods
; ; NUMBER OF SEQUENCES: 20
; ; CORRESPONDENCE ADDRESSES:
; ; ADDRESSES: Marshall, O'Toole, Gerstein, Murray & Borun
; ; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; ; CITY: Chicago
; ; STATE: Illinois
; ; COUNTRY: USA
; ; ZIP: 60606
; ; COMPUTER READABLE FORM:
; ; MEDIUM TYPE: Floppy disk
; ; COMPUTER: IBM PC compatible
; ; OPERATING SYSTEM: PC-DOS/MS-DOS
; ; SOFTWARE: Patent In Release #1.0, Version #1.30
; ; CURRENT APPLICATION DATA:
; ; APPLICATION NUMBER: US/11/068,686
; ; FILING DATE: 28-Feb-2005
; ; CLASSIFICATION: <Unknown>
; ; ATTORNEY/AGENT INFORMATION:
; ; NAME: Noland, Greta E.
; ; REGISTRATION NUMBER: 35,302
; ; REFERENCE/DOCKET NUMBER: 27866/33670
; ; TELECOMMUNICATION INFORMATION:
; ; TELEPHONE: 312-474-6300
; ; TELEFAX: 312-474-0448
; ; INFORMATION FOR SEQ ID NO: 4:
; ; SEQUENCE CHARACTERISTICS:
; ; LENGTH: 355 amino acids
; ; TYPE: amino acid
; ; TOPOLOGY: linear
; ; MOLECULE TYPE: protein
; ; FEATURE:
; ; NAME/KEY: misc feature
; ; OTHER INFORMATION: /= "88-2B amino acid sequence"
; ; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
; ; US-11-068-686-4

Query Match 100.0%; Score 1854; DB 7; Length 355;
Best Local Similarity 100.0%; Pred. No. 3.4e-147;
Matches 355; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTTSLDVTVEFGTTSYYDDVGLCEKADTRALMAQFVPPLYSLVFTVGLLGNVVVMILI 60
Db 1 MTTSLDVTVEFGTTSYYDDVGLCEKADTRALMAQFVPPLYSLVFTVGLLGNVVVMILI 60
QY 61 KYRRLRIMNTIYLLNLAISDLLFLVTLPEWIIHYVRGHNWVFGHGMCKLLSGFYHTGLYSE 120
Db 61 KYRRLRIMNTIYLLNLAISDLLFLVTLPEWIIHYVRGHNWVFGHGMCKLLSGFYHTGLYSE 120
QY 121 IFFIILLTIDRYLAIVHAVFALRARTVTFGVITSIVTWGLAVLALPEFIYETEELFEE 180
Db 121 IFFIILLTIDRYLAIVHAVFALRARTVTFGVITSIVTWGLAVLALPEFIYETEELFEE 180
QY 181 TLCSALYPEDTVYSWRHFHTLRMTIFCLVPLPLVMAICYTGIIKTLLRCPSKKKYKAIRL 240
Db 181 TLCSALYPEDTVYSWRHFHTLRMTIFCLVPLPLVMAICYTGIIKTLLRCPSKKKYKAIRL 240
QY 241 IFVIMAVFIFWTPYNVAIILSSYQILFGNDCERSKHLDLVMLVTEVIAVSHCCMNPVI 300
Db 241 IFVIMAVFIFWTPYNVAIILSSYQILFGNDCERSKHLDLVMLVTEVIAVSHCCMNPVI 300
QY 301 YAFVGERFRKYLRFHFHRLHMLGRYIPLPSEKLBERTSSVSPSTAEPELSIVF 355
Db 301 YAFVGERFRKYLRFHFHRLHMLGRYIPLPSEKLBERTSSVSPSTAEPELSIVF 355

RESULT 2

US-11-127-877-64
; Sequence 64, Application US/11127877
; Publication No. US20050287565A1
; GENERAL INFORMATION:
; APPLICANT: Merchiers, Pascal G.
; APPLICANT: Hoffmann, Marcel
; APPLICANT: Spittaels, Koenraad F. F.
; APPLICANT: Laenen, Wendy
; TITLE OF INVENTION: Methods, Compositions and Compound Assays For Inhibiting
; TITLE OF INVENTION: Amyloid-Beta Protein Production
; FILE REFERENCE: P27,800-B USA
; CURRENT APPLICATION NUMBER: US/11/127,877
; PRIOR FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: 60/570,352
; PRIOR FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: 60/603,948
; PRIOR FILING DATE: 2004-08-24
; NUMBER OF SEQ ID NOS: 590
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 64
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-127-877-64

Query Match 100.0%; Score 1854; DB 7; Length 355;
Best Local Similarity 100.0%; Pred. No. 3.4e-147;
Matches 355; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MTTSLDVTVEFGTTSYYDDVGLCEKADTRALMAQFVPPLYSLVFTVGLLGNVVVMILI 60
QY 61 KYRRLRIMNTIYLLNLAISDLLFLVTLPEWIIHYVRGHNWVFGHGMCKLLSGFYHTGLYSE 120
Db 61 KYRRLRIMNTIYLLNLAISDLLFLVTLPEWIIHYVRGHNWVFGHGMCKLLSGFYHTGLYSE 120
QY 121 IFFIILLTIDRYLAIVHAVFALRARTVTFGVITSIVTWGLAVLALPEFIYETEELFEE 180
Db 121 IFFIILLTIDRYLAIVHAVFALRARTVTFGVITSIVTWGLAVLALPEFIYETEELFEE 180
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Db 181 TLCSALYPEDTVYSWRHFHTLRMTIFCLVPLPLVMAICYTGIIKTLLRCPSKKKYKAIRL 240
QY 241 IFVIMAVFIFWTPYNVAIILSSYQILFGNDCERSKHLDLVMLVTEVIAVSHCCMNPVI 300

Db 241 IFVIMAVFIFWTPYNVAIILSSYQILFGNDCERSKHLDLVMLVTEVIAVSHCCMNPVI 300
QY 301 YAFVGERFRKYLRFHFHRLHMLGRYIPLPSEKLBERTSSVSPSTAEPELSIVF 355
Db 301 YAFVGERFRKYLRFHFHRLHMLGRYIPLPSEKLBERTSSVSPSTAEPELSIVF 355

RESULT 3

US-11-216-610-4
; Sequence 4, Application US/11216610
; Publication No. US20060002926A1
; GENERAL INFORMATION:
; APPLICANT: Gerard, Craig J.
; Gerard, Norma P.
; Mackay, Charles R.
; Ponath, Paul D.
; Post, Theodore W.
; Qin, Shixin
; TITLE OF INVENTION: G PROTEIN-COUPLED RECEPTOR GENE CCR3 AND
; ANTAGONISTS THEREOF
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/216,610
; FILING DATE: 31-Aug-2005
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/963,656
; FILING DATE: 03-NOV-1997
; APPLICATION NUMBER: 08/720,565
; FILING DATE: 30-SEP-1996
; APPLICATION NUMBER: PCT/US96/00608
; FILING DATE: 19-JAN-1996
; APPLICATION NUMBER: US 08/375,199
; FILING DATE: 19-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: LKS94-05A2Z
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 781-861-6240
; TELEFAX: 781-861-9540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 355 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-11-216-610-4

Query Match 100.0%; Score 1854; DB 7; Length 355;
Best Local Similarity 100.0%; Pred. No. 3.4e-147;
Matches 355; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTTSLDVTVEFGTTSYYDDVGLCEKADTRALMAQFVPPLYSLVFTVGLLGNVVVMILI 60
Db 1 MTTSLDVTVEFGTTSYYDDVGLCEKADTRALMAQFVPPLYSLVFTVGLLGNVVVMILI 60
QY 61 KYRRLRIMNTIYLLNLAISDLLFLVTLPEWIIHYVRGHNWVFGHGMCKLLSGFYHTGLYSE 120

Db 61 KYRRLRIMNTIYLLNLAISDLLFLVTLPFWIIHYVRGHNWVFGHGMCKLLSGFYHTGLYSE 120

QY 121 IFFIILLTIDRYLAIVHAVFALRARTVTFGVITSIVTWGLAVLALPEFI FYETEELEFEE 180
|||||
Db 121 IFFIILLTIDRYLAIVHAVFALRARTVTFGVITSIVTWGLAVLALPEFI FYETEELEFEE 180

QY 181 TLCSALYPEDTVYSWRHFHTLRMTIFCLVLPPLVMAICYTGIIKTLRLCPSPKKKYAIRL 240
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Db 181 TLCSALYPEDTVYSWRHFHTLRMTIFCLVLPPLVMAICYTGIIKTLRLCPSPKKKYAIRL 240

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Db 241 IFVIMAVFFIWPYPYNAIILSSYQSILFGNDCERSKHLDLVMLVTEVIAYSHCCMNPVI 300

QY 301 YAFVGERFRKYLRFHFHRLMLHIGRYIPFLPSEKLERSTSSVSPSTAEPELSIVF 355
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Db 301 YAFVGERFRKYLRFHFHRLMLHIGRYIPFLPSEKLERSTSSVSPSTAEPELSIVF 355

RESULT 4
US-11-216-610-2
; Sequence 2, Application US/11216610
; Publication No. US20060002926A1
; GENERAL INFORMATION:
; APPLICANT: Gerard, Craig J.
; Gerard, Norma P.
; Mackay, Charles R.
; Ponath, Paul D.
; Post, Theodore W.
; Qin, Shixin
; TITLE OF INVENTION: G PROTEIN-COUPLED RECEPTOR GENE CCR3 AND
; ANTAGONISTS THEREOF
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/216,610
; FILING DATE: 31-Aug-2005
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/963,656
; FILING DATE: 03-NOV-1997
; APPLICATION NUMBER: 08/720,565
; FILING DATE: 30-SEP-1996
; APPLICATION NUMBER: PCT/US96/00608
; FILING DATE: 19-JAN-1996
; APPLICATION NUMBER: US 08/375,199
; FILING DATE: 19-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: LKS94-05A2Z
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 781-861-6240
; TELEFAX: 781-861-9540
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 355 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-11-216-610-2

Query Match 99.6%; Score 1846; DB 7; Length 355;
Best Local Similarity 99.4%; Pred. No. 1.6e-146;
Matches 353; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MTSLDVTEFTGTSYYDDVGLCEKADTRALMAQFVPPLYSLVFTVGLGNVVMILLI 60
|||||
Db 1 MTSLDVTEFTGTSYYDDVGLCEKADTRALMAQFVPPLYSLVFTVGLGNVVMILLI 60

QY 61 KYRRLRIMNTIYLLNLAISDLLFLVTLPFWIIHYVRGHNWVFGHGMCKLLSGFYHTGLYSE 120
|||||
Db 61 KYRRLRIMNTIYLLNLAISDLLFLVTLPFWIIHYVRGHNWVFGHGMCKLLSGFYHTGLYSE 120

QY 121 IFFIILLTIDRYLAIVHAVFALRARTVTFGVITSIVTWGLAVLALPEFI FYETEELEFEE 180
|||||
Db 121 IFFIILLTIDRYLAIVHAVFALRARTVTFGVITSIVTWGLAVLALPEFI FYETEELEFEE 180

QY 181 TLCSALYPEDTVYSWRHFHTLRMTIFCLVLPPLVMAICYTGIIKTLRLCPSPKKKYAIRL 240
|||||
Db 181 TLCSALYPEDTVYSWRHFHTLRMTIFCLVLPPLVMAICYTGIIKTLRLCPSPKKKYAIRL 240

QY 241 IFVIMAVFFIWPYPYNAIILSSYQSILFGNDCERSKHLDLVMLVTEVIAYSHCCMNPVI 300
|||||
Db 241 IFVIMAVFFIWPYPYNAIILSSYQSILFGNDCERSKHLDLVMLVTEVIAYSHCCMNPVI 300

QY 301 YAFVGERFRKYLRFHFHRLMLHIGRYIPFLPSEKLERSTSSVSPSTAEPELSIVF 355
|||||
Db 301 YAFVGERFRKYLRFHFHRLMLHIGRYIPFLPSEKLERSTSSVSPSTAEPELSIVF 355

RESULT 5
US-11-216-610-6
; Sequence 6, Application US/11216610
; Publication No. US20060002926A1
; GENERAL INFORMATION:
; APPLICANT: Gerard, Craig J.
; Gerard, Norma P.
; Mackay, Charles R.
; Ponath, Paul D.
; Post, Theodore W.
; Qin, Shixin
; TITLE OF INVENTION: G PROTEIN-COUPLED RECEPTOR GENE CCR3 AND
; ANTAGONISTS THEREOF
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/216,610
; FILING DATE: 31-Aug-2005
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/963,656
; FILING DATE: 03-NOV-1997
; APPLICATION NUMBER: 08/720,565
; FILING DATE: 30-SEP-1996
; APPLICATION NUMBER: PCT/US96/00608
; FILING DATE: 19-JAN-1996
; APPLICATION NUMBER: US 08/375,199
; FILING DATE: 19-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592


```

; REFERENCE/DOCKET NUMBER: LKS94-05A2Z
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 781-861-6240
;   TELEFAX: 781-861-9540
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 355 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: <Unknown>
;   TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-11-216-610-6

Query Match          96.1%; Score 1781; DB 7; Length 355;
Best Local Similarity 96.6%; Pred. No. 3.9e-141;
Matches 343; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

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        |||
Db       1 MTSLDVTETFGTTSYYDDVGLCEKADTRALMAQFVPPLYSLVFTVGLLGNVVVMILI 60

QY      61 KYRRLRIMTNIVLLNLAISDLFLVTLPIFWIHVVRGHNWVFHGMCKLISGFYHTGLYSE 120
        |||
Db       61 KYRRLRIMTNIVLLNLAISDLFLVTLPIFWIHVVRGHNWVFHGMCKLISGFYHTGLYSE 120

QY      121 IFFIILLTDRIYLAIVHAVFALARARTVTEGVITSIVTWGLAVLALPBIIFYETEELFEE 180
        |||
Db       121 IFFIILLTDRIYLAIVHAVFALARARTVTEGVITSIVTWGLAVLALPBIIFYETEELFEE 180

QY      181 TLCSALYPEDTVYSWRHFHTLRMTIFCLVPLVLVAICYTGIIKTLLRCPSKKKYKAIRL 240
        |||
Db       181 TXCSALYPEDTVYSWXHFTLRMTIFCLVPLVLVAICYTGIIKTLLRCPSKKKYKAIRL 240

QY      241 IFVIMAVEFIWFTPYNVAAILLSYQSILFGNDCERSKHLDLVMLVTEVIAYSHCCMPVI 300
        |||
Db       241 IFVIMAVEFIWFTPYNVAAILLSXXXIILFGNDCERXXXXDLVMLVTEVIAYSHCCMPVI 300

QY      301 YAFVGERFRKYLRFHFHRHLLMHLGRYIPFLPSEKLERTSSVSPTAEPELSIVF 355
        |||
Db       301 YAFVGERFRKYLRFHXFHRLMLHLGRYIPFLPSEKLERTSSVSPTAEPELSIVF 355

RESULT 6
US-11-068-686-20
; Sequence 20, Application US/11068686
; Publication No. US20050260565A1
; GENERAL INFORMATION:
; APPLICANT: Gray, Patrick W.
;           Schweickart, Vicki L.
;           Raport, Carol J.
; TITLE OF INVENTION: Chemokine Receptor Materials and Methods
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/068,686
; FILING DATE: 28-Feb-2005
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Noland, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 27866/33670

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; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; TELEFAX: 312-474-0448
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 352 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-11-068-686-20

```

Query Match	50.9%;	Score 943.5;	DB 7;	Length 352;
Best Local Similarity	54.2%;	Pred. No. 1.4e-71;		
Matches 180; Conservative	58;	Mismatches 91;	Indels 3;	Gaps 3;

Qy	24	CEKADTRALMAQFVBPPLYSLVFTVGLLGNVNVVMILIKYRRLRMNTNIYLLNLAIISDLLF	83
	20	QKINVKQIAARLLPPLYSLVFIIEFVGNILVLLILINCKRLKSMTDIYLLNLAIISDLLF	79
Qy	84	LVTLPFWIHVYVRGHNWVEFGHGNCKLLSGEYHTGLYSEIFFIILLTIDRYLAIVHAVFALR	143
Db	80	LITVPFWAHYAAA-QWDFGNMTWQLLLTGLYFIFGFSSGIFFIILLTIDRYLAIVHAVFALK	138
Qy	144	ARTVTEGVITSVITWGLAVLALPEFIYETEELFEETLCSALYPEDTVYSWRHFHTLRM	203
Db	139	ARTVTEGVITSVITWVAVAFASLPGIIFTRSQREGLAHYTSSSHFPYSQYQFWKNFQTLKM	198
Qy	204	TIFCLVLPLLVMAICYTGIIKTLRCPSS-KKKYKAIRLIFVIMAVFEIETWTPYNAIILSS	262
Db	199	VILGVLPLLVMI CYSGILKTLRCRNEKKRRAVRLIFTIMIVFLLWAPYNI VLLLN	258
Qy	263	SYQSILFGNDCERSKHLDLVMLVTEVIAVSHCCMNPIVYAFVGERFRKYLRFHFRHLLM	322
Db	259	TFQEFFGLNCCSSSNRLDQAMQVTEITLGMTHCCINPIIYAFVGEKFRYLLVFFQKHIAK	318
Qy	323	HIGRYIPFLPSEKLERTSSV-SPSTAEPBELSI	353
Db	319	RFCGCCSIFQGEAPERASSVYTRSTGEQEISV	350

```

RESULT 7
US-10-995-561-523
; Sequence 523, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 523
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-10-995-561-523

```

Query Match	50.6%;	Score 938.5;	DB 6;	Length 352;
Best Local Similarity	53.3%;	Pred. No. 3.5e-71;		
Matches 177; Conservative	62;	Mismatches 90;	Indels 3;	Gaps 3;

QY	24	CEKADTRALMAQFVBP	YSLVFTVGLGNVVV	MLIKYRRLRIMTNYLLNL	LAISDLE	83
		: : : :	: : : :	: : :		
Db	20	CQKINVKQIARLLP	PLYSLVFI	FGFVGNMLVILLIN	CKRLKSMTDIYLLNL	AISDLEF 79
QY	84	LVTLPFWIHVVR	GHNVF	GHGMCKLLSGFYHTGL	YSEIFII	LLTIDRYLAI
		: :	: : : :	: :	: :	: : : : :
Db	80	LLTVPFWAHYAAA-Q	WDFGNTMCOLLTGL	YFICGFSSGIFII	LLTIDRYLAV	HAHVAFALK 138


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RESULT 10
US-11-127-877-60
; Sequence 60, Application US/11127877
; Publication No. US20050287565A1
; GENERAL INFORMATION:
; APPLICANT: Merchiers, Pascal G.
; APPLICANT: Hoffmann, Marcel
; APPLICANT: Spittaels, Koenraad F. F.
; APPLICANT: laenen, Wendy
; TITLE OF INVENTION: Methods, Compositions and Compound Assays For Inhibiting
; TITLE OF INVENTION: Amyloid-Beta Protein Production
; FILE REFERENCE: P27, 800-B USA
; CURRENT APPLICATION NUMBER: US/11/127,877
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: 60/570,352
; PRIOR FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: 60/603,948
; PRIOR FILING DATE: 2004-08-24
; NUMBER OF SEQ ID NOS: 590
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 60
; LENGTH: 374
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-127-877-60

Query Match          47.8%; Score 886.5; DB 7; Length 374;
Best Local Similarity 54.2%; Pred. No. 7.8e-67;
Matches 166; Conservative 57; Mismatches 72; Indels 11; Gaps 5;

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OY		14	TSYYD-DVGLLCEKADTRALMAQFVPPLYSLVFTVGILGNVVVMILIKYRRLRMINTNY	72
			:: : : : : : : : :	
Db		21	TTFEDDYDGARCHKFVKQIGAQLPPLYSLVFI FGVGNMLVLLINCKKLCLTDIY	80
OY		73	LNLAIISDLLFLVTLPFWIHVVRGHNVFGHGMCKLLSGFYHTGLYSEIFILLTIDRY	132
			: : : :	
Db		81	LNLAISDLLFLTLPIMAHSA-ANENWEGNAMCKLFTGLXHYGFYGIFITILLTIDRY	139
OY		133	LAIVHAVPALRARTVFEGVITSIVTWGLAVLALPEFI FYETEEELFEETLC SALTYPEDTV	192
			: : : : :	
Db		140	LAIVHAVPALKARVTVEGVTVSITWLVA VFASVPDIIFTKCQKEDSVVCGEYFPR--	196
OY		193	YSWRHPHLRTMTIFCLVLPLL VMAICYTGIIKTLLRCPS-KKKYKAIRLIPVMAVFIE	251
			: : : : :	
Db		197	GWNPFHTIMRNILGLVLP LLIMVICXS GILKTLLRCRNEKRHRRAVRVIPITMIYFLF	255
OY		252	WTBYNVALISSYQSILFGND CERSKHDLVMLTEVIAYSHCCMNPVIYA FGGERFRKY	311
			: : : : : : :	
Db		256	WTBYNIVILLNTFOE FGLSNCESTS QLDQAQTOTETLG MTHCCINPIIYAFVGEKFRS-	314
OY		312	LRHFPH 317	
Db		315	--LEFH 317	
 RESULT 11 US-10-959-310-36 ; Sequence 36, Application US/10959310 ; Publication No. US20050287138A1 ; GENERAL INFORMATION: ; APPLICANT: KYOMA HAKKO KOGYO CO., LTD. ; TITLE OF INVENTION: CCR4-specific antibody composition ; FILE REFERENCE: 249-363 ; CURRENT APPLICATION NUMBER: US/10/959,310 ; CURRENT FILING DATE: 2004-10-07 ; PRIOR APPLICATION NUMBER: JP 2003-350162 ; PRIOR FILING DATE: 2003-10-08 ; PRIOR APPLICATION NUMBER: US 60/572,784 ; PRIOR FILING DATE: 2004-05-21 ; NUMBER OF SEQ ID NOS: 46 ; SOFTWARE: PatentIn Ver. 2.1 ; SEQ ID NO 36 ; LENGTH: 360				

```

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-959-310-36

Query Match          43.3%; Score 803.5; DB 6; Length 360;
Best Local Similarity 46.2%; Pred. No. 5.8e-60;
Matches 163; Conservative 68; Mismatches 113; Indels 9; Gaps 7;

```

[illegible]

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RESULT 12
US-10-995-561-636
; Sequence 636, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 636
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-10-995-561-636

```

	Query Match	36.9%;	Score 684;	DB 6;	length 355;	
	Best Local Similarity	42.9%;	Pred. No. 4.8e-50;			
	Matches 144;	Conservative 59;	Mismatches 117;	Indels 16;	Gaps 7;	
Qy	17 YDVGLLCEKADTRALMAQFVBPPLYSLVFTVGLGNVVVMILIKYRLRIMNTIYLNL	76				
Dd	14 YDDLAECYIGDIVFGTVFLSIFYSVIFAIGLVGNLIVPALTNSSKKPKSVTDIYLLNL	73				
Qy	77 AISDLLFLVTLPFMHIHV---RG-HNWVFHGMCCKLGSFYHTGLYSEIFFILLTTIDRY	132				
Dd	74 ALSDLLFVALLPFWTHYLINEKGLHN-----AMCKFTAFEEFIGFGSIFFITVISIDRY	128				
Qy	133 LAIVHAVFALARARTVTFGVITSIVTWGLAVLAALPEFI FYETHELFEETLCSALYPEDTV	192				
Dd	129 LAIVLAANSMMNRTVOHGVTISLGWAAAILVAAPQFMF--TKQ--KENEC LGDYPEVLQ	184				
Qy	193 YSMWHFHTRLMTIFCLVLPLLVMAICYTGIIKTLLRCPSKKKYKAIRLI FIVIMAVFFIEW	252				
Dd	185 EIWPAVRNVETNFLGFLPLPILMSYCYFRITOTLFSCKNHKKAKAIKLILLVIVVFLEFW	244				

```
QY      253 TPYNVAILLSSYOSILFGNDCERSKHLDMVLVTEVIAYSHCCMNPVYYAFVGERFRKYL 312
        |||||:::||::||::||::||::||::||::||::||::||::||::||::||
Db      245 TPNVMIFLETCLKYDFPSCDWRKDRLALSVETVAFSHCCINPLIYAFAGEKERFRYL 304
        |||||:::||::||::||::||::||::||::||::||::||::||::||
QY      313 RHFFRHLLMLHGR--YIPFLPSE-KLERISSVSPTS 345
        |::||::||::||::||::||::||::||::||::||::||
Db      305 YHLGKCLAVLCGRSVHDFSSSESQRSRHGSVLSS 340
```

```

RESULT 13
US-10-995-561-637
; Sequence 637, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 637
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-637

```

Query Match	36.9%	Score 684	DB 6	Length 362
Best Local Similarity	42.9%	Pred. No. 4.9e-50		
Matches 144	Conservative 59	Mismatches 117	Indels 16	Gap 7
QY	17 YDVGGLCEKADTRALMAQFVBPBLYSLVFTVGLGNVVVVMILLIKYRRLRIMTNIYLLNL	76		
DB	21 YDDLAEACYIGDIVFEGVIFLSIFYSVIFAIGLVGNLLVFPALTNKKPKSVTDIYLLNL	80		
QY	77 AISDLLFLVTLPFWIHYV---RG-HNVWFGHGCKLLSGFYHTGUYSEIFFILLTIDRY	132		
DB	81 ALSDLLFVATLPEWTHYLLINEKGLHN-----AMCKFTTAFPIGFGSIFFITVISIDRY	135		
QY	133 LAIVHAVFALRARTVTFGVTSIVTWGLAVLAALPEFIYFVTEELFEETLCSALYPEDIV	192		
DB	136 LAIVLAANSMMNRVTQHGVTISLGWMAAAILVAAPQFME--TKQ--KENECIGDYPEVLQ	191		
QY	193 YSMRHFTLRMTIFCLVLPPLVMAICYTGIIKTLRCPSSKKYKAIRLI FVIMAVFFI	252		
DB	192 EIWPVLNRVETNFI GLFLLP LILMSYCYERIIQTFLSCKNHKAKAIKILLVIVFFL	251		
QY	253 TPYNVAIILLSSYQSI LFGNDCERSKHLDLVMLVTEVIAYSHCCMNPIVYAFVGERFRKTL	312		
DB	252 TPYNVMIFLETKL YDFFPSCDMRKDLRLALSVTEVAFSHCCLNPLIYAFAGEKFRRL	311		
QY	313 RHFFHRLLMLGR--YIFLPSE-KLERTSSVSPS	345		
DB	312 YHLGKCLAVLCGRSVHVDPSSESQSRHGSVLS	347		

```

RESULT 14
US-10-995-561-524
; Sequence 524, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CI001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 524

```

```

; LENGTH: 344
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-524

```

Query Match	35.7%;	Score 662.5;	DB 6;	Length 344;
Best Local Similarity	42.4%;	Pred. No. 2.8e-48;		
Matches 142;	Conservative 58;	Mismatches 108;	Indels 27;	Gaps 8;

[illegible]

```

RESULT 15
US-10-995-561-525
; Sequence 525, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 525
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-525

```

	Query Match	35.7%;	Score 662.5;	DB 6;	Length 344;	
	Best Local Similarity	42.4%;	Pred. No. 2.8e-48;			
	Matches 142;	Conservative 58;	Mismatches 108;	Indels 27;	Gaps 8;	
Qy	24 CEKADTRALMAQFVPPPLYSLVFTVGLLGNVVVMILIKYRRLRIMTNIYLMLAISDLLF	83				
	: : : : : : : : : : : : : : : : : : :					
Dd	28 CDKYDAQLSAQVLVPSLCSAVFVIGVLDNLVLVLVKYKGKRVENIYLLMLAVSNLCF	87				
Qy	84 LVTLPFWIIHYVRGHNWVFGRGMCKLLSGFYHTGLYSEIFIIILLTIDRYLAIVHA--VEFA	141				
	: : : : : : : : : : : : : : : : : : :					
Dd	88 LITLPIFWAH-----AGDPMCKLIIGLYFVGLYSETFNCCLLTQRYLVFLHKNPFS	140				
Qy	142 LRARVTTPGVLTISIVTWGLAVALAPEIFYETEBLFEEULC---SALTYPEDTVYSWRH	197				
	: : : : : : : : : : : : : : : :					
Dd	141 AR-RRVPCGIITSVLAMVTAIALTLPEFVVVKKQMEDOKKCAFSRTPLZADEWF-WKH	198				
Qy	198 FHTLRMTIFCLVLPPLVMAICYTGIIKTLLRCPSKKKKYAIRLIFFVIMAVFFIFTPTPNV	257				
	: : : : : : : : : : : : : : : : :					
Dd	199 FLTKKMNISVAVLPFIIFTFLYQMKTLRF--REQRSFLKLVFPAIMVVELLMAPYNI	256				

